

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/006790

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C25C5/02 C25C7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C25C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 243 498 A (SHERWOOD WILLIAM G ET AL) 6 January 1981 (1981-01-06) column 7, line 34 - column 8, line 16; claims 1-21; figure 4	1-16
A	US 4 272 333 A (SCOTT KEITH ET AL) 9 June 1981 (1981-06-09) cited in the application column 3, line 15 - line 35; claims 1-14; figures 1,2a,2b	1-16
A	US 5 958 210 A (EVANS JAMES W ET AL) 28 September 1999 (1999-09-28) cited in the application column 5, line 27 - line 65; figure 1a	1-16
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

10 September 2004

Date of mailing of the international search report

22/09/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/195333 A1 (HRADIL EDWARD ET AL) 26 December 2002 (2002-12-26) page 3, paragraph 37 - page 4, paragraph 40; figures 1,5 page 5, paragraph 55 - paragraph 56; claims 1-40	1-16
P,A	----- WO 2004/007805 A (JIRICNY VLADIMIR ; NORA ELETTRODI S P A DE (IT); SCOTTI DAVIDE (IT); O) 22 January 2004 (2004-01-22) cited in the application page 8, line 26 - page 9, line 32; figure 6 -----	1-16

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PCT/EP2004/006790

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4243498	A	06-01-1981	NONE	
US 4272333	A	09-06-1981	FR 2450882 A1 GB 2048306 A ,B JP 55125287 A ZA 8001177 A	03-10-1980 10-12-1980 26-09-1980 27-05-1981
US 5958210	A	28-09-1999	AU 5452198 A CA 2270428 A1 WO 9822641 A1	10-06-1998 28-05-1998 28-05-1998
US 2002195333	A1	26-12-2002	WO 02053809 A1 US 6193858 B1 EP 1354078 A1	11-07-2002 27-02-2001 22-10-2003
WO 2004007805	A	22-01-2004	IT MI20021524 A1 WO 2004007805 A2	12-01-2004 22-01-2004